

**Date: November 10, 2004**

**From:** Water Resource Group, Salt Lake City

**To:** All Colorado River Annual Operating Plan (AOP) Recipients

**Current Status**

	October inflow(unreg) (Acre-Feet)	Percent of normal	Midnight November 08 Elevation	Reservoir Storage (Acre-Feet)
Fontenelle	54,000	104	6497.63	281,000
Flaming Gorge	68,000	105	6011.77	2,699,000
Blue Mesa	28,000	78	7476.76	483,000
Powell	505,000	92	3570.47	9,145,000
Navajo	55,000	120	6024.61	955,000

**Expected Operation**

**FONTENELLE** - During the month of October, inflows to Fontenelle Reservoir were 54,000 acre-feet (104% of normal). This is one of only 4 months since October of 1999 when the inflow volume for the month was greater than the 30 average. The 3 month forecast (November through January) has increased significantly over last months forecast. Last month, the 3 month forecast (October through December) was 70% of normal. This month, the 3 month forecast (November through January) is 91% of normal. As a result of this change in forecast, releases from Fontenelle reservoir were increased from 950 cfs to 1050 cfs to accommodate increased inflows and continue the evacuation of the reservoir to prepare for next spring. By April 1st, 2005 the elevation of Fontenelle Reservoir is now projected to be about 6470.5 feet above sea level based on the recent changes to the forecast.

Open forum discussions on Fontenelle operations take place at the "Fontenelle Reservoir Working Group" meetings. The Working Group is a forum for information exchange between Reclamation and other parties associated with the operation of Fontenelle Reservoir. The public is encouraged to attend and express their concerns and interests with regard to Fontenelle Reservoir operation. The next Working Group meeting will be scheduled for April of 2005 and will likely be held in Green River, WY. At this time the exact time and place have not been scheduled. For more information about the Working Group, contact Ed Vidmar at 801-379-1182.

**FLAMING GORGE** - During the month of October, unregulated inflows reached 105% of normal (68,000 acre-feet). This is the first month where the unregulated inflow was above normal since March of 2001. As a result, forecasts for the 3 month period beginning November 1st were increased significantly. Last month, the 3 month forecast (October through December) was 65% of normal. This month, the 3 month forecast (November through January) is 93% of normal. The effect of this change in the forecast increases the projected elevation of Flaming Gorge by about 1.4 feet over last

months projected elevation for April 1st, 2005. At this time no changes have been made to the projected releases but this may be considered if conditions continue to become wetter in the coming months. Releases are currently 800 cfs and are projected to remain at this level until May of 2005.

The next "Flaming Gorge Working Group" meeting is to be held on April 21st, 2005 in Vernal, Utah at 10:00 a.m.. The location will be at the Western Park Convention Center. The Working Group is a forum for information exchange between Reclamation and all other parties associated with the operation of Flaming Gorge Reservoir. The public is encouraged to attend and express their concerns and interests with regard to the operation of Flaming Gorge Reservoir. For more information about the Working Group please contact Ed Vidmar at 801-379-1182.

**ASPINALL** – October unregulated inflow into Blue Mesa Reservoir was 29,000 acre-feet or 79 percent of average. Hydrologic conditions remain dry with drought still the controlling factor for water management throughout the region; however, the last two months were much above average precipitation. September recorded precipitation was 165 percent of average, while October's precipitation was 120 percent of average. Average stream flow is still much below normal and will most likely stay that way until next spring's runoff. The current inflow rate into Blue Mesa Reservoir is about 350 cfs and reservoir releases are averaging about 300 cfs. Blue Mesa's present elevation is 7476.69 feet, which corresponds to a storage content of about 482,000 acre-feet.

On November 1, 2004, the National Weather Service's River Forecast Center issued the forecasted inflow over the next 3 months for continued below normal conditions. The unregulated inflow forecast for November, December and January is 63,000 acre-feet which is 76% of normal for these months. Based on this forecast, Blue Mesa Reservoir elevation is estimated to increase 1.6 feet to elevation 7478.3 feet or about 11,500 acre-feet by the end of January 2005.

Releases from Crystal are currently set at 350 cfs. The Gunnison Diversion Tunnel has been shut down for the winter season with the exception of some small 100 cfs diversions taken bi-weekly for municipal water needs in Montrose, Colorado. Due to the severity of the continuing drought in the Gunnison River Basin, river flows through the Black Canyon of the Gunnison have been set close to the minimum flow rate. Current flows in the river are now 350 cfs. This flow rate will most likely be kept at this level for much of this fall and winter months.

The next meeting of the "Aspinall Unit Working Group" will be held on Thursday, January 20, 2005 at 1:00 PM at the Pavilion Center in Montrose, Colorado, review of last summer and fall reservoir operations, and plans for this winter and next spring 2005 operations will be discussed. These meetings are open forum discussions on the Aspinall Unit reservoir operations with many interested groups participating. Anyone needing further information about these meetings should contact Dan Crabtree in the Grand Junction Area Office at (970) 248-0652.

**NAVAJO** – Reclamation decreased the release from Navajo Reservoir from 350 cubic feet per second (cfs) to 250 cfs, at 9:00 a.m. on Monday, November 1, 2004. This release will remain at 250 cfs throughout the winter, or until further notice. Releases are made for the authorized purposes of the Navajo Unit, and to attempt to maintain a target base flow through the endangered fish critical habitat reach of the San Juan River (Farmington to Lake Powell).

Based upon current hydrological conditions and historical hydrologic data, the target base flow should remain above 500 cfs through the critical habitat area. The target base flow is calculated as the weekly average of gaged flows throughout the critical habitat area, therefore daily flows of less

than 500 cfs may occur at some gages. The release will be increased if the target base flow drops below 500 cfs.

Reclamation will continue to closely monitor the hydrologic conditions in the basin. As such, this scheduled release change is subject to changes in river flows and weather conditions.

The current daily reservoir inflow is averaging about 650 cfs and reservoir releases are set at 250 cfs. Presently, the reservoir water surface elevation is 6024.55 feet, which corresponds to a storage content of about 955,000 acre-feet. The monthly precipitation average in the basin above Bluff for the months of September, and October was 220, and 100 percent of average respectively. Corresponding with these rain events the inflow to Navajo Reservoir for the month of October was 55,000 acre-feet or 120 percent of average.

A public meeting on Navajo Reservoir operations will be held on Tuesday, January 18, 2005 at 1:00 p.m. in Farmington, New Mexico. At this meeting, review of last summer and fall reservoir operations, and plans for next winter and spring 2005 operations will be discussed. These are open forum discussions on the operation of Navajo Reservoir with many interested groups participating. Anyone interested in the general operation of the reservoir is encouraged to attend. Please contact Pat Page in Reclamation's Durango, Colorado Office at (970) 385-6560 for information about these meetings or the daily operation of Navajo Reservoir.

### **Glen Canyon Dam - Lake Powell**

#### **Operations**

Releases in the first half of November 2004 will be similar to those observed in October. On Mondays through Fridays and on Sundays in early November, daily fluctuations due to load following will likely vary between a low of about 5,000 cfs (during late evening and early morning off-peak hours) to a high of about 10,000 cfs (during late afternoon and early evening on-peak hours). On Saturdays, releases will likely vary between a low of about 5,000 cfs during off-peak hours to a high of about 9,500 cfs during on-peak hours. However, due to real time power marketing considerations there may modifications to this pattern.

From November 17 through November 20, releases are scheduled to be constant at 8,000 cfs. During this 8,000 cfs steady release, the United States Geological Survey's Grand Canyon Monitoring and Research Center will be collecting data for research and long-term monitoring of the Grand Canyon.

In December, a volume of 600,000 acre-feet is scheduled to be released. This is an average flow of 9,800 cfs. Daily fluctuations due to load following in December have not been finalized, but will likely vary between about 6,500 cfs to 12,500 cfs.

#### **Proposed High-Flow Test**

On November 5, 2004, the Bureau of Reclamation released a Draft Supplemental Environmental Assessment that describes a proposed late-November high-flow experiment through the Grand Canyon from Glen Canyon Dam.

"The Department of the Interior continues to support the application of science and adaptive management to the operation of Glen Canyon Dam and the management of natural resources in Glen and Grand Canyon," Interior Secretary Gale Norton said in announcing the Environmental

Assessment. "Experiments such as this high-flow test continue to advance our understanding of the ecosystem while providing tangible benefits to the fishery, river environment, and recreational users in Grand Canyon National Park."

In August 2004, members of the Glen Canyon Adaptive Management Work Group recommended to Secretary Norton that high-flow tests be considered for later in the year if sufficient accumulations of sediment were present in the Colorado River near the confluence of the Paria River.

In October, the Grand Canyon area experienced significant rainstorms that produced Paria River sediment inputs sufficient to trigger such a test. The primary purposes for conducting the high-flow tests are to restore sandbar deposits in the upper reaches of the Grand Canyon and recreate numerous backwater channels that serve as prime spawning areas and habitat for the humpback chub and other native fish species.

The Draft Supplemental Environmental Assessment is available for public review on the Internet by following the link at [www.usbr.gov/uc/envdocs/ea/gc/SuppEA-ltr.pdf](http://www.usbr.gov/uc/envdocs/ea/gc/SuppEA-ltr.pdf)

The high-flow test would not alter the total volume of water released from Lake Powell in water year 2005.

### **Upper Colorado River Basin Hydrology**

Water year 2005 began on October 1, 2004. The Colorado River Basin has now completed 5 consecutive years of drought. In the summer of 1999 Lake Powell was essentially full, with reservoir storage at 97 percent of capacity. Since that time, inflow volumes have been below average for 5 consecutive years. The last month when inflow to Lake Powell was above average was September 1999. Total unregulated inflow to Lake Powell in water year 2004 was only 51 percent of average. Unregulated inflow in water years 2000, 2001, 2002, and 2003 was 62, 59, 25, and 51 percent of average, respectively. Inflow in water year 2002 was the lowest ever observed since the completion of Glen Canyon Dam in 1963.

A favorable trend has emerged the past two months in the Colorado River Basin. Precipitation in September and October was above average in the basin. Basin wide precipitation in September was 165 percent of average, with October precipitation at 155 percent of average. In October, the highest proportion of the precipitation occurred in Utah, with many areas in Utah receiving over 200 percent of average precipitation. October precipitation in western Colorado was near average.

Inflow to Lake Powell, which was extremely low this past summer (only 35 and 29 percent of average in July and August, respectively), has picked up in response to the storms of the past two months. Unregulated inflow to Lake Powell in September was 68 percent of average and 92 percent of average in October. As of November 7, 2004, observed inflow to Lake Powell was 8,000 cfs, 78 percent of what is normally seen in early November. The reality, however, is that we are still very early in water year 2005, and drought conditions continue to prevail in the Colorado River Basin. To "break" the drought will require the pattern of above-average precipitation to continue through the winter and into next spring. Water year 2005 is off to a good start, but it is still too early to celebrate.

Low inflows over the past 5 years have reduced water storage in Lake Powell. As of November 8, 2004, the current elevation of Lake Powell is 3,570.5 feet (129.5 feet from full pool). Current storage is 9.2 million acre-feet (38 percent of live capacity).

Under the current inflow forecast, the water surface elevation of Lake Powell is projected to decline the remainder of the year, with current projections showing the lake reaching an elevation of about

3,565 feet on January 1, 2005. It should be noted that this projected elevation will likely shift depending upon weather patterns the remainder of the year.

MAILED FROM    UPPER COLORADO REGION  
WATER RESOURCES GROUP  
ATTENTION UC-280  
125 SOUTH STATE STREET, ROOM 6107  
SALT LAKE CITY, UT 84138-1102  
PHONE 801-524-5571

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RUNOFF PROJECTIONS AND INFLOW INFORMATION INTO UPPER BASIN RESERVOIR PROVIDED BY  
THE COLORADO RIVER FORECASTING SERVICE THROUGH THE NATIONAL WEATHER SERVICE'S  
COLORADO BASIN RIVER FORECAST CENTER ARE AS FOLLOWS

		Obs					Forecast		
:		jul	aug	sep	oct	%Avg	nov	dec	jan
GLDA3:Lake Powell		546	176	322	505	92%:	450/	350/	325
GBRW4:Fontenelle		168	56	41	54	104%:	42/	30/	25
GRNU1:Flaming Gorge		182	60	46	68	105%:	56/	40/	35
BMDC2:Blue Mesa		65	28	22	29	79%:	23/	20/	20
MPSC2:Morrow Point		66	29	23	30	76%:	25/	22/	22
CLSC2:Crystal		68	30	25	33	69%:	28/	26/	25
VCRC2:Vallecito		19.9	9.4	23	19	139%:	8.7/	6.4/	5.5
NVRN5:Navajo		19.6	-2.44	58	56	121%:	28/	21/	18
TPIC2:Taylor Park		10.8	5.5	5.4	5.2	83%:	3.7/	3.5/	3.3

## O P E R A T I O N   P L A N   F O R   C O L O R A D O   R I V E R   S Y S T E M   R E S E R V O I R S

Bureau of Reclamation - CRFS 11/2004 Most Prob Water Supply  
Fontenelle Reservoir

Regulated Inflow 1000 Ac-Ft	Evap Losses 1000 Ac-Ft	Power Release 1000 Ac-Ft	Bypass Release 1000 Ac-Ft	Total Release 1000 Ac-Ft	Reservoir Elevation EOM Feet	Live Storage 1000 Ac-Ft
* Nov 2003	27	1	41	5	46	6488.45
H Dec 2003	28	1	46	0	46	6485.47
I Jan 2004	25	1	47	0	47	6481.72
S Feb 2004	23	1	43	0	43	6477.84
T Mar 2004	58	1	46	0	46	6479.97
O Apr 2004	66	1	44	0	44	6483.56
R May 2004	67	2	59	0	59	6484.57
I Jun 2004	182	2	60	0	60	6501.79
C Jul 2004	168	3	89	54	143	6504.73
A Aug 2004	56	2	76	7	83	6500.95
L Sep 2004	41	2	24	33	57	6498.57
WY 2004	768	18	604	116	720	
* Oct 2004	54	1	46	13	59	6497.76
Nov 2004	42	1	62	0	62	6494.88
Dec 2004	30	1	65	0	65	6489.58
Jan 2005	25	1	65	0	65	6483.23
Feb 2005	23	1	58	0	58	6476.67
Mar 2005	42	0	70	0	70	6470.49
Apr 2005	74	1	89	0	89	6466.70
May 2005	157	1	97	3	100	6479.01
Jun 2005	285	2	101	62	163	6497.64
Jul 2005	170	3	102	10	112	6504.88
Aug 2005	74	2	72	0	72	6504.84
Sep 2005	42	2	68	0	68	6501.26
WY 2005	1018	16	895	88	983	
Oct 2005	47	1	70	0	70	6498.04
Nov 2005	39	1	68	0	68	6493.90
Dec 2005	30	1	70	0	70	6487.81
Jan 2006	28	1	70	0	70	6480.80
Feb 2006	26	1	63	0	63	6473.33
Mar 2006	47	0	79	0	79	6465.62
Apr 2006	84	1	79	0	79	6466.76
May 2006	176	1	96	44	140	6474.82
Jun 2006	320	2	99	109	208	6493.35
Jul 2006	192	3	107	38	145	6499.52
Aug 2006	83	2	71	0	71	6500.81
Sep 2006	48	2	68	0	68	6497.90
WY 2006	1120	16	940	191	1131	
Oct 2006	52	1	70	0	70	6495.24

## O P E R A T I O N P L A N F O R C O L O R A D O R I V E R S Y S T E M R E S E R V O I R S

Bureau of Reclamation - CRFS 11/2004 Most Prob Water Supply  
Flaming Gorge Reservoir

03-nov-2004 16:08:08

	Unreg Inflow 1000 Ac-Ft	Regulated Inflow 1000 Ac-Ft	Evap Losses 1000 Ac-Ft	Power Release 1000 Ac-Ft	Bypass Release 1000 Ac-Ft	Total Release 1000 Ac-Ft	Bank Storage 1000 Ac-Ft	Reservoir Elevation EOM Feet	Live Storage 1000 Ac-Ft	Yampa Flow 1000 Ac-Ft	Jensen Flow 1000 Ac-Ft
* Nov 2003	28	47	3	51	0	51	67	6009.17	2614	0	79
H Dec 2003	27	46	2	53	0	53	67	6008.91	2606	0	80
I Jan 2004	27	48	2	53	0	53	67	6008.73	2600	0	272
S Feb 2004	33	53	2	50	0	50	67	6008.77	2602	0	301
T Mar 2004	98	89	3	54	0	54	68	6009.71	2632	0	246
O Apr 2004	84	62	4	51	0	51	68	6009.90	2638	0	233
R May 2004	76	69	7	107	0	107	67	6008.57	2595	0	391
I Jun 2004	188	74	9	61	0	61	67	6008.69	2599	0	232
C Jul 2004	182	147	11	61	0	61	70	6010.91	2671	0	119
A Aug 2004	60	88	11	62	0	62	70	6011.37	2686	0	73
L Sep 2004	46	62	9	60	0	60	70	6011.15	2679	0	81
WY 2004	873	829	69	715	0	715					2174
* Oct 2004	68	74	6	51	0	51	71	6011.65	2695	0	103
Nov 2004	56	76	2	48	0	48	72	6012.41	2720	0	48
Dec 2004	40	75	2	49	0	49	72	6013.13	2744	0	49
Jan 2005	35	75	2	49	0	49	73	6013.84	2768	0	49
Feb 2005	39	74	2	44	0	44	74	6014.64	2795	0	44
Mar 2005	86	114	4	49	0	49	76	6016.39	2854	0	49
Apr 2005	126	141	7	48	0	48	79	6018.81	2938	0	48
May 2005	242	185	9	123	0	123	80	6020.25	2989	0	123
Jun 2005	376	254	12	176	0	176	82	6022.05	3053	0	176
Jul 2005	207	149	13	68	0	68	85	6023.87	3119	0	68
Aug 2005	86	84	10	68	0	68	85	6024.03	3124	0	68
Sep 2005	52	78	9	65	0	65	85	6024.15	3129	0	65
WY 2005	1413	1379	78	838	0	838					890
Oct 2005	59	82	5	68	0	68	85	6024.39	3138	0	68
Nov 2005	50	79	2	65	0	65	86	6024.70	3149	0	65
Dec 2005	36	76	2	68	0	68	86	6024.87	3155	0	68
Jan 2006	41	83	2	68	0	68	86	6025.21	3168	0	68
Feb 2006	45	82	2	61	0	61	87	6025.71	3186	0	61
Mar 2006	97	129	4	108	0	108	87	6026.14	3203	0	108
Apr 2006	141	136	7	107	0	107	88	6026.71	3224	0	107
May 2006	273	237	10	162	0	162	90	6028.38	3287	0	162
Jun 2006	423	311	13	202	0	202	93	6030.80	3380	0	202
Jul 2006	233	186	14	61	0	61	97	6033.53	3487	0	61
Aug 2006	97	85	11	61	0	61	97	6033.85	3500	0	61
Sep 2006	59	79	9	72	0	72	97	6033.80	3498	0	72
WY 2006	1554	1565	81	1103	0	1103					1103
Oct 2006	65	83	5	68	0	68	98	6034.03	3507	0	68

## O P E R A T I O N   P L A N   F O R   C O L O R A D O   R I V E R   S Y S T E M   R E S E R V O I R S

Bureau of Reclamation - CRFS 11/2004 Most Prob Water Supply  
Taylor Park Reservoir

03-nov-2004 16:08:08

Regulated Inflow 1000 Ac-Ft	Total Release 1000 Ac-Ft	Reservoir Elevation EOM Feet	Live Storage 1000 Ac-Ft
* Nov 2003	4	3	9310.47
H Dec 2003	4	3	9310.82
I Jan 2004	4	3	9311.17
S Feb 2004	4	3	9311.44
T Mar 2004	5	4	9312.62
O Apr 2004	8	4	9314.81
R May 2004	23	10	9322.01
I Jun 2004	23	16	9325.53
C Jul 2004	11	19	9321.35
A Aug 2004	6	18	9314.10
L Sep 2004	5	15	9308.05
WY 2004	102	102	
* Oct 2004	5	7	9307.00
Nov 2004	4	3	9307.46
Dec 2004	4	3	9307.85
Jan 2005	3	3	9308.17
Feb 2005	3	3	9308.24
Mar 2005	3	4	9307.85
Apr 2005	7	6	9308.30
May 2005	22	10	9315.59
Jun 2005	36	16	9326.65
Jul 2005	18	18	9326.50
Aug 2005	8	18	9321.41
Sep 2005	6	16	9315.59
WY 2005	119	107	
Oct 2005	6	8	9314.36
Nov 2005	5	3	9315.30
Dec 2005	4	3	9315.94
Jan 2006	4	3	9316.46
Feb 2006	3	3	9316.69
Mar 2006	4	5	9316.05
Apr 2006	8	14	9312.25
May 2006	25	18	9316.17
Jun 2006	41	20	9327.47
Jul 2006	20	21	9326.97
Aug 2006	9	20	9321.36
Sep 2006	6	16	9316.00
WY 2006	135	134	
Oct 2006	6	8	9315.12
			78

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Bureau of Reclamation - CRFS 11/2004 Most Prob Water Supply  
Blue Mesa Reservoir

03-nov-2004 16:08:08

	Unreg Inflow 1000 Ac-Ft	Regulated Inflow 1000 Ac-Ft	Evap Losses 1000 Ac-Ft	Power Release 1000 Ac-Ft	Bypass Release 1000 Ac-Ft	Total Release 1000 Ac-Ft	Reservoir elevation EOM Feet	Live Storage 1000 Ac-Ft
* Nov 2003	23	22	0	16	0	16	7459.81	370
H Dec 2003	22	21	0	15	0	15	7460.86	377
I Jan 2004	21	20	0	14	0	14	7461.91	383
S Feb 2004	19	19	0	12	0	12	7463.03	390
T Mar 2004	46	44	0	13	0	13	7467.75	421
O Apr 2004	68	64	1	31	0	31	7472.65	454
R May 2004	154	141	1	32	0	32	7487.46	562
I Jun 2004	134	128	1	54	0	54	7496.75	635
C Jul 2004	65	72	1	93	0	93	7494.00	613
A Aug 2004	28	41	1	93	0	93	7487.18	560
L Sep 2004	22	32	1	83	0	83	7480.20	507
WY 2004	628	629	6	503	0	503		
* Oct 2004	28	30	0	58	0	58	7476.41	480
Nov 2004	23	22	0	14	0	14	7477.54	488
Dec 2004	20	19	0	16	0	16	7478.00	491
Jan 2005	20	19	0	17	0	17	7478.32	494
Feb 2005	18	18	0	15	0	15	7478.76	497
Mar 2005	28	29	0	27	0	27	7478.93	498
Apr 2005	60	59	1	58	0	58	7479.02	499
May 2005	174	162	1	41	0	41	7494.77	619
Jun 2005	234	214	1	43	0	43	7514.80	788
Jul 2005	107	107	2	91	0	91	7516.44	803
Aug 2005	52	62	1	103	0	103	7511.66	760
Sep 2005	30	40	1	100	0	100	7504.61	700
WY 2005	794	781	7	583	0	583		
Oct 2005	33	35	1	76	0	76	7499.63	658
Nov 2005	29	27	0	47	0	47	7497.19	638
Dec 2005	23	22	0	79	0	79	7489.98	581
Jan 2006	23	22	0	80	0	80	7482.33	523
Feb 2006	21	21	0	72	0	72	7475.18	471
Mar 2006	32	33	0	76	0	76	7468.87	428
Apr 2006	68	74	1	84	0	84	7467.33	418
May 2006	196	189	1	43	0	43	7487.68	563
Jun 2006	263	242	1	35	0	35	7512.65	769
Jul 2006	121	122	2	87	0	87	7516.40	802
Aug 2006	59	70	1	101	0	101	7512.76	770
Sep 2006	33	43	1	101	0	101	7505.89	711
WY 2006	901	900	8	881	0	881		
Oct 2006	37	38	1	75	0	75	7501.48	674

## O P E R A T I O N P L A N F O R C O L O R A D O R I V E R S Y S T E M R E S E R V O I R S

Bureau of Reclamation - CRFS 11/2004 Most Prob Water Supply  
Morrow Point Reservoir

03-nov-2004 16:08:08

	Unreg Inflow 1000 Ac-Ft	Blue Mesa Release 1000 Ac-Ft	Side Inflow 1000 Ac-Ft	Total Inflow 1000 Ac-Ft	Evap losses 1000 Ac-Ft	Power Release 1000 Ac-Ft	Bypass Release 1000 Ac-Ft	Total Release 1000 Ac-Ft	Reservoir Elevation EOM Feet	Live Storage 1000 Ac-Ft
* Nov 2003	25	16	2	18	0	16	0	16	7151.87	111
H Dec 2003	24	15	2	16	0	15	0	15	7153.36	112
I Jan 2004	23	14	2	15	0	17	0	17	7151.70	110
S Feb 2004	22	12	2	14	0	15	0	15	7150.31	109
T Mar 2004	51	13	5	18	0	17	0	17	7151.24	110
O Apr 2004	78	31	10	40	0	40	0	40	7151.23	110
R May 2004	171	32	18	50	0	47	0	47	7154.18	112
I Jun 2004	143	54	8	62	0	62	0	62	7154.59	113
C Jul 2004	66	93	1	94	0	95	0	95	7152.76	111
A Aug 2004	29	93	1	94	0	93	0	93	7153.42	112
L Sep 2004	23	83	1	84	0	86	0	86	7151.14	110
WY 2004	683	503	54	554	0	555	0	555		
* Oct 2004	30	58	1	59	0	56	0	56	7155.42	113
Nov 2004	24	14	1	15	0	16	0	16	7153.73	112
Dec 2004	22	16	2	18	0	18	0	18	7153.73	112
Jan 2005	21	17	1	18	0	18	0	18	7153.73	112
Feb 2005	21	15	3	17	0	18	0	18	7153.73	112
Mar 2005	31	27	3	30	0	30	0	30	7153.73	112
Apr 2005	68	58	8	66	0	66	0	66	7153.73	112
May 2005	198	41	24	65	0	65	0	65	7153.73	112
Jun 2005	252	43	18	61	0	61	0	61	7153.73	112
Jul 2005	113	91	6	97	0	97	0	97	7153.73	112
Aug 2005	54	103	2	105	0	105	0	105	7153.73	112
Sep 2005	31	100	1	101	0	101	0	101	7153.73	112
WY 2005	865	583	70	652	0	651	0	651		
Oct 2005	35	76	2	78	0	78	0	78	7153.73	112
Nov 2005	31	47	2	49	0	49	0	49	7153.73	112
Dec 2005	25	79	2	81	0	81	0	81	7153.73	112
Jan 2006	24	80	1	81	0	81	0	81	7153.73	112
Feb 2006	23	72	2	74	0	74	0	74	7153.73	112
Mar 2006	35	76	3	79	0	79	0	79	7153.73	112
Apr 2006	77	84	9	93	0	93	0	93	7153.73	112
May 2006	222	43	26	69	0	69	0	69	7153.73	112
Jun 2006	284	35	21	56	0	56	0	56	7153.73	112
Jul 2006	127	87	6	93	0	93	0	93	7153.73	112
Aug 2006	61	101	2	103	0	103	0	103	7153.73	112
Sep 2006	35	101	2	103	0	103	0	103	7153.73	112
WY 2006	979	881	78	959	0	959	0	959		
Oct 2006	39	75	2	77	0	77	0	77	7153.73	112

## O P E R A T I O N P L A N F O R C O L O R A D O R I V E R S Y S T E M R E S E R V O I R S

Bureau of Reclamation - CRFS 11/2004 Most Prob Water Supply  
Crystal Reservoir

03-nov-2004 16:08:08

	unreg Inflow 1000 Ac-Ft	Morrow Release 1000 Ac-Ft	Side Inflow 1000 Ac-Ft	Total Inflow 1000 Ac-Ft	Power Release 1000 Ac-Ft	Bypass Release 1000 Ac-Ft	Total Release 1000 Ac-Ft	Reservoir Elevation EOM Feet	Live Storage 1000 Ac-Ft	Tunnel Flow 1000 Ac-Ft	Below_tunnel Flow 1000 Ac-Ft
* Nov 2003	29	16	4	20	0	20	20	6747.86	16	0	20
H Dec 2003	27	15	4	19	0	20	20	6744.53	15	1	19
I Jan 2004	27	17	4	21	0	20	20	6748.12	16	0	20
S Feb 2004	25	15	3	18	0	18	18	6748.18	16	1	19
T Mar 2004	58	17	7	25	0	24	24	6749.98	16	5	19
O Apr 2004	88	40	10	50	0	50	50	6751.44	17	33	19
R May 2004	194	47	23	70	0	70	70	6751.47	17	50	22
I Jun 2004	156	62	13	75	0	75	75	6752.33	17	55	22
C Jul 2004	68	95	2	97	0	99	99	6746.23	15	64	40
A Aug 2004	30	93	1	95	0	95	95	6744.94	15	65	35
L Sep 2004	25	86	2	88	0	86	86	6751.39	17	55	35
WY 2004	759	555	77	634	27	605	632		363		293
* Oct 2004	33	56	3	59	38	21	59	6750.20	16	23	38
Nov 2004	28	16	4	20	22	0	22	6746.05	15	0	22
Dec 2004	26	18	4	22	22	0	22	6746.05	15	0	22
Jan 2005	25	18	4	22	22	0	22	6746.05	15	0	22
Feb 2005	24	18	3	20	21	0	21	6746.05	15	0	20
Mar 2005	37	30	6	36	36	0	36	6746.05	15	5	31
Apr 2005	83	66	15	81	81	0	81	6746.05	15	30	51
May 2005	239	65	41	106	106	0	106	6746.05	15	55	51
Jun 2005	302	61	50	111	111	0	111	6746.05	15	60	51
Jul 2005	134	97	21	118	116	2	118	6746.05	15	65	53
Aug 2005	66	105	12	117	116	1	117	6746.05	15	65	52
Sep 2005	39	101	8	109	109	0	109	6746.05	15	55	54
WY 2005	1036	651	171	821	800	24	824		358		467
Oct 2005	42	78	7	85	85	0	85	6746.05	15	30	55
Nov 2005	36	49	5	54	54	0	54	6746.05	15	0	54
Dec 2005	30	81	5	86	86	0	86	6746.05	15	0	86
Jan 2006	29	81	5	86	86	0	86	6746.05	15	0	86
Feb 2006	27	74	4	78	78	0	78	6746.05	15	0	78
Mar 2006	42	79	7	86	86	0	86	6746.05	15	5	81
Apr 2006	94	93	17	110	110	0	110	6746.05	15	30	80
May 2006	269	69	47	116	116	0	116	6746.05	15	55	61
Jun 2006	340	56	56	112	112	0	112	6746.05	15	60	52
Jul 2006	150	93	23	116	116	0	116	6746.05	15	65	51
Aug 2006	74	103	13	116	116	0	116	6746.05	15	65	51
Sep 2006	44	103	9	112	112	0	112	6746.05	15	55	57
WY 2006	1177	959	198	1157	1157	0	1157		365		792
Oct 2006	47	77	8	85	85	0	85	6746.05	15	30	55

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Bureau of Reclamation - CRFS 11/2004 Most Prob Water Supply  
Vallecito Reservoir

03-nov-2004 16:08:08

Regulated Inflow 1000 Ac-Ft	Total Release 1000 Ac-Ft	Reservoir Elevation EOM Feet	Live Storage 1000 Ac-Ft
* Nov 2003	6	0	7629.25
H Dec 2003	5	0	7631.78
I Jan 2004	5	0	7634.30
S Feb 2004	4	0	7636.34
T Mar 2004	16	0	7643.57
O Apr 2004	25	7	7651.11
R May 2004	73	44	7662.38
I Jun 2004	51	49	7663.00
C Jul 2004	20	42	7654.40
A Aug 2004	9	38	7642.16
L Sep 2004	23	26	7640.41
WY 2004	243	210	
* Oct 2004	19	8	7645.31
Nov 2004	9	2	7648.20
Dec 2004	6	2	7650.05
Jan 2005	6	2	7651.49
Feb 2005	5	2	7652.52
Mar 2005	7	8	7652.15
Apr 2005	17	20	7650.71
May 2005	54	43	7655.05
Jun 2005	65	42	7664.20
Jul 2005	28	43	7658.46
Aug 2005	16	43	7647.35
Sep 2005	13	35	7637.36
WY 2005	245	250	
Oct 2005	13	12	7637.66
Nov 2005	8	2	7640.56
Dec 2005	5	2	7642.13
Jan 2006	5	2	7643.27
Feb 2006	5	2	7644.38
Mar 2006	7	8	7644.03
Apr 2006	19	12	7647.05
May 2006	60	46	7653.00
Jun 2006	74	48	7663.02
Jul 2006	32	48	7656.71
Aug 2006	17	43	7646.05
Sep 2006	14	35	7636.52
WY 2006	259	260	
Oct 2006	14	12	7637.51

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Bureau of Reclamation - CRFS 11/2004 Most Prob Water Supply  
Navajo Reservoir

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Mod	Unreg	Azetea	Reg	Evap	NIIP	Total	Reservoir	Live	Farm
	Inflow	Tunnel	Div	Inflow	Losses	Diversions	Release	Elevation	Storage
	1000	1000	1000	1000	1000	1000	1000	EOM	1000
	Ac-Ft	Ac-Ft	Ac-Ft	Ac-Ft	Ac-Ft	ac-Ft	Ac-Ft	Feet	Ac-Ft
* Nov 2003	24	0	18	1	0	16	5996.73	713	51
H Dec 2003	18	0	13	0	0	16	5996.36	710	78
I Jan 2004	17	0	13	0	0	16	5995.94	707	60
S Feb 2004	24	0	20	1	1	15	5996.45	711	33
T Mar 2004	120	12	94	1	4	16	6005.51	784	58
O Apr 2004	152	15	119	2	11	21	6015.33	869	98
R May 2004	225	30	168	3	28	22	6027.58	984	155
I Jun 2004	133	20	109	3	40	22	6031.96	1028	115
C Jul 2004	22	2	40	3	39	33	6028.39	992	48
A Aug 2004	-2	0	26	3	39	45	6022.11	932	41
L Sep 2004	58	2	61	2	19	36	6022.48	935	67
WY 2004	805	81	693	20	188	285			853
* Oct 2004	55	2	42	1	4	22	6024.04	950	54
Nov 2004	28	0	21	0	1	16	6024.37	953	16
Dec 2004	21	0	16	0	0	15	6024.43	954	15
Jan 2005	18	0	15	0	0	15	6024.30	952	15
Feb 2005	24	0	21	0	0	14	6025.04	960	14
Mar 2005	71	1	71	1	5	17	6030.00	1009	17
Apr 2005	136	14	125	2	24	21	6037.65	1088	21
May 2005	220	31	178	3	30	51	6046.19	1182	51
Jun 2005	206	32	150	3	43	115	6045.20	1170	115
Jul 2005	67	9	73	3	48	37	6043.80	1155	37
Aug 2005	36	3	61	3	43	50	6040.69	1120	50
Sep 2005	32	1	53	2	19	29	6040.93	1123	29
WY 2005	914	93	826	18	217	402			434
Oct 2005	40	1	38	1	12	22	6041.28	1127	22
Nov 2005	32	0	26	1	1	16	6042.04	1135	16
Dec 2005	23	0	19	0	0	15	6042.40	1139	15
Jan 2006	21	0	19	0	0	16	6042.59	1141	16
Feb 2006	28	0	26	1	0	17	6043.31	1149	17
Mar 2006	80	1	80	1	5	20	6048.09	1203	20
Apr 2006	153	14	132	2	24	34	6054.20	1276	34
May 2006	248	31	203	3	31	85	6060.94	1360	85
Jun 2006	231	32	173	4	43	147	6059.35	1340	147
Jul 2006	76	9	83	4	48	31	6059.36	1340	31
Aug 2006	41	3	64	3	43	31	6058.36	1327	31
Sep 2006	36	1	56	3	19	30	6058.71	1332	30
WY 2006	1009	92	919	23	226	464			464
Oct 2006	44	1	41	1	12	31	6058.45	1328	31

## O P E R A T I O N P L A N F O R C O L O R A D O R I V E R S Y S T E M R E S E R V O I R S

Bureau of Reclamation - CRFS 11/2004 Most Prob Water Supply  
Lake Powell

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	Unreg Inflow 1000 Ac-Ft	Regulated Inflow 1000 Ac-Ft	Evap Losses 1000 Ac-Ft	Power Release 1000 Ac-Ft	Bypass Release 1000 Ac-Ft	Total Release 1000 Ac-Ft	Reservoir Elevation EOM Feet	Bank Storage 1000 Ac-Ft	EOM Storage 1000 Ac-Ft	Lees Ferry 1000 Ac-Ft
* Nov 2003	337	348	23	475	0	475	3600.48	18968	11796	485
H Dec 2003	289	305	20	602	0	602	3597.22	18960	11487	610
I Jan 2004	288	305	13	789	0	789	3591.80	18966	10984	802
S Feb 2004	244	253	14	743	0	743	3586.84	18910	10537	759
T Mar 2004	539	417	11	805	0	805	3582.78	18867	10180	815
O Apr 2004	817	609	18	649	1	648	3582.93	18797	10193	653
R May 2004	1181	972	24	596	0	596	3587.17	18776	10566	601
I Jun 2004	1096	835	35	802	0	802	3586.16	18832	10476	809
C Jul 2004	546	468	36	900	0	900	3579.70	18927	9914	909
A Aug 2004	176	303	39	896	0	896	3572.10	18931	9278	904
L Sep 2004	322	414	36	484	0	484	3570.77	18933	9169	487
WY 2004	6128	5593	296	8231	1	8230				8329
* Oct 2004	505	517	20	493	0	493	3570.50	18959	9148	493
Nov 2004	450	425	25	476	0	476	3569.63	18953	9077	476
Dec 2004	350	350	21	492	0	492	3567.74	18941	8926	492
Jan 2005	325	333	15	850	0	850	3561.44	18902	8433	850
Feb 2005	337	328	14	650	0	650	3557.34	18877	8122	650
Mar 2005	531	444	17	600	0	600	3555.18	18864	7962	600
Apr 2005	789	632	20	600	0	600	3555.33	18865	7973	600
May 2005	1843	1484	27	650	0	650	3565.14	18925	8720	650
Jun 2005	2465	2058	34	800	0	800	3579.00	19015	9854	800
Jul 2005	1246	1118	40	910	0	910	3580.82	19028	10010	910
Aug 2005	490	582	41	910	0	910	3576.81	19001	9669	910
Sep 2005	380	480	35	800	0	800	3572.86	18974	9340	800
WY 2005	9711	8751	309	8231	0	8231				8231
Oct 2005	502	548	31	600	0	600	3571.93	18968	9264	600
Nov 2005	496	514	25	600	0	600	3570.67	18960	9161	600
Dec 2005	396	476	21	800	0	800	3566.69	18935	8842	800
Jan 2006	365	444	15	800	0	800	3562.28	18907	8498	800
Feb 2006	379	435	14	600	0	600	3560.12	18894	8332	600
Mar 2006	597	597	18	600	0	600	3559.87	18892	8313	600
Apr 2006	887	788	20	600	0	600	3561.90	18905	8468	600
May 2006	2074	1709	29	600	0	600	3574.41	18985	9468	600
Jun 2006	2773	2315	36	650	0	650	3591.72	19105	10977	650
Jul 2006	1402	1208	43	850	0	850	3594.89	19129	11269	850
Aug 2006	552	594	44	900	0	900	3591.36	19103	10944	900
Sep 2006	428	523	38	630	0	630	3589.88	19092	10810	630
WY 2006	10851	10151	334	8230	0	8230				8230
Oct 2006	558	599	34	600	0	600	3589.53	19089	10778	600

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Bureau of Reclamation - CRFS 11/2004 Most Prob Water Supply  
Hoover Dam - Lake Mead

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	Glen Release 1000 Ac-Ft	Side Inflow 1000 Ac-Ft	Evap Losses 1000 Ac-Ft	Total Release 1000 Ac-Ft	Total Release 1000 CFS	SNWP Use 1000 Ac-Ft	Dwnstrm Reqmnts 1000 Ac-Ft	Bank Storage 1000 Ac-Ft	Reservoir Elevation EOM Feet	EOM Storage 1000 Ac-Ft
* Nov 2003	475	46	54	637	10.7	20	635	997	1139.48	15337
H Dec 2003	602	46	47	623	10.1	19	621	994	1139.12	15300
I Jan 2004	789	40	38	633	10.3	15	635	1003	1140.39	15434
S Feb 2004	743	77	35	806	14.0	10	790	1001	1140.11	15404
T Mar 2004	805	40	39	946	15.4	19	942	992	1138.70	15255
O Apr 2004	648	55	48	1049	17.6	21	1033	966	1134.98	14866
R May 2004	596	43	54	1124	18.3	37	1121	931	1129.70	14324
I Jun 2004	802	-8	65	995	16.7	32	994	913	1126.93	14044
C Jul 2004	900	38	80	952	15.5	34	951	905	1125.73	13924
A Aug 2004	896	82	85	763	12.4	29	763	911	1126.67	14018
L Sep 2004	484	95	70	568	9.5	27	561	906	1125.86	13937
WY 2004	8230	575	669	9635		289	9582			
* Oct 2004	493	111	51	365	5.9	21	363	916	1127.43	14094
Nov 2004	476	39	51	497	8.3	19	497	913	1126.94	14045
Dec 2004	492	52	44	670	10.9	16	670	902	1125.19	13870
Jan 2005	850	65	36	648	10.5	12	648	915	1127.25	14076
Feb 2005	650	67	33	720	13.0	11	720	912	1126.81	14031
Mar 2005	600	59	37	974	15.8	19	974	889	1123.31	13683
Apr 2005	600	14	45	1116	18.8	24	1116	855	1117.80	13147
May 2005	650	29	51	1030	16.8	30	1030	828	1113.56	12741
Jun 2005	800	17	60	894	15.0	30	894	818	1111.90	12584
Jul 2005	910	49	75	871	14.2	30	871	817	1111.73	12568
Aug 2005	910	96	80	800	13.0	30	800	823	1112.68	12658
Sep 2005	800	104	66	590	9.9	28	590	836	1114.84	12863
WY 2005	8231	702	629	9175		270	9175			
Oct 2005	600	43	49	427	6.9	28	427	845	1116.21	12994
Nov 2005	600	39	49	633	10.6	20	633	841	1115.60	12935
Dec 2005	800	52	42	612	10.0	18	612	852	1117.35	13103
Jan 2006	800	65	35	690	11.2	12	690	860	1118.60	13224
Feb 2006	600	67	32	689	12.4	11	689	856	1117.97	13163
Mar 2006	600	59	35	989	16.1	19	989	832	1114.21	12802
Apr 2006	600	14	43	1124	18.9	24	1124	797	1108.44	12261
May 2006	600	29	49	1032	16.8	30	1032	768	1103.52	11808
Jun 2006	650	17	58	900	15.1	30	900	748	1100.18	11507
Jul 2006	850	49	72	873	14.2	30	873	743	1099.39	11436
Aug 2006	900	96	76	807	13.1	30	807	748	1100.26	11514
Sep 2006	630	104	63	591	9.9	28	591	752	1100.81	11563
WY 2006	8230	634	603	9367		280	9367			
Oct 2006	600	43	46	322	5.2	28	322	767	1103.37	11795

## O P E R A T I O N   P L A N   F O R   C O L O R A D O   R I V E R   S Y S T E M   R E S E R V O I R S

Bureau of Reclamation - CRFS 11/2004 Most Prob Water Supply  
Davis Dam - Lake Mohave 03-nov-2004 16:08:08

	Hoover Release 1000 Ac-Ft	Side inflow 1000 Ac-Ft	Power Release 1000 Ac-Ft	Spill Release 1000 Ac-Ft	Total Release 1000 Ac-Ft	Total Release 1000 CFS	Reservoir Elevation EOM Feet	EOM Storage 1000 Ac-Ft
* Nov 2003	637	-11	568	0	568	9.5	636.53	1526
H Dec 2003	623	-18	540	0	540	8.8	638.98	1590
I Jan 2004	633	-20	580	0	580	9.4	640.22	1623
S Feb 2004	806	-17	695	0	695	12.1	643.62	1716
T Mar 2004	946	-25	958	0	958	15.6	642.21	1677
O Apr 2004	1049	-12	1033	0	1033	17.4	642.33	1680
R May 2004	1124	-44	1032	0	1032	16.8	644.09	1729
I Jun 2004	995	-24	1003	0	1003	16.8	642.91	1696
C Jul 2004	952	-24	918	0	918	14.9	643.29	1707
A Aug 2004	763	-26	740	0	740	12.0	643.20	1704
L Sep 2004	568	-13	653	0	653	11.0	639.54	1605
WY 2004	9635	-241	9426	0	9426			
* Oct 2004	365	3	464	0	464	7.5	635.90	1509
Nov 2004	497	-10	551	0	551	9.3	633.39	1444
Dec 2004	670	-22	489	0	489	7.9	639.51	1604
Jan 2005	648	-17	568	0	568	9.2	641.80	1666
Feb 2005	720	-18	669	0	669	12.1	643.01	1699
Mar 2005	974	-31	942	0	942	15.3	643.01	1699
Apr 2005	1116	-33	1083	0	1083	18.2	643.01	1699
May 2005	1030	-29	1000	0	1000	16.3	643.01	1699
Jun 2005	894	-28	893	0	893	15.0	642.00	1671
Jul 2005	871	-30	854	0	854	13.9	641.50	1658
Aug 2005	800	-30	769	0	769	12.5	641.50	1658
Sep 2005	590	-17	667	0	667	11.2	638.00	1564
WY 2005	9175	-262	8949	0	8949			
Oct 2005	427	-6	613	0	613	10.0	630.49	1371
Nov 2005	633	-13	530	0	530	8.9	634.00	1460
Dec 2005	612	-26	463	0	463	7.5	638.71	1583
Jan 2006	690	-17	589	0	589	9.6	641.80	1666
Feb 2006	689	-18	671	0	671	12.1	641.80	1666
Mar 2006	989	-31	936	0	936	15.2	642.60	1688
Apr 2006	1124	-33	1079	0	1079	18.1	643.01	1699
May 2006	1032	-29	1002	0	1002	16.3	643.01	1699
Jun 2006	900	-28	899	0	899	15.1	642.00	1671
Jul 2006	873	-30	856	0	856	13.9	641.50	1658
Aug 2006	807	-30	776	0	776	12.6	641.50	1658
Sep 2006	591	-17	667	0	667	11.2	638.00	1564
WY 2006	9367	-278	9081	0	9081			
Oct 2006	322	-6	508	0	508	8.3	630.49	1371

## O P E R A T I O N P L A N F O R C O L O R A D O R I V E R S Y S T E M R E S E R V O I R S

Bureau of Reclamation - CRFS 11/2004 Most Prob Water Supply  
Parker Dam - Lake Havasu

03-nov-2004 16:08:08

	Davis Release	Side Inflow	Total Release	Total Release	MWD Diversion	CAP diversion	Reservoir Elevation	EOM Storage	Flow to Mexico	Flow to Mexico
	1000 Ac-Ft	1000 Ac-Ft	1000 Ac-Ft	1000 CFS	1000 Ac-Ft	1000 Ac-Ft	EOM Feet	1000 Ac-Ft	1000 Ac-Ft	1000 CFS
* Nov 2003	568	6	336	5.7	67	175	446.96	560	100	1.7
H Dec 2003	540	9	347	5.6	75	171	444.52	516	121	2.0
I Jan 2004	580	-4	333	5.4	60	188	444.21	511	129	2.1
S Feb 2004	695	1	418	7.3	58	175	446.75	557	169	2.9
T Mar 2004	958	-12	724	11.8	57	186	445.64	536	202	3.3
O Apr 2004	1033	-6	751	12.6	71	181	446.84	558	212	3.6
R May 2004	1032	-16	734	11.9	68	188	448.14	583	112	1.8
I Jun 2004	1003	-24	739	12.4	69	165	448.39	587	109	1.8
C Jul 2004	918	-23	731	11.9	52	104	448.77	595	121	2.0
A Aug 2004	740	-17	654	10.6	43	45	447.70	574	98	1.6
L Sep 2004	653	-1	525	8.8	42	70	448.47	589	94	1.6
WY 2004	9426	-96	6801		722	1773			1540	
* Oct 2004	464	22	420	6.8	40	3	449.60	611	74	1.2
Nov 2004	551	3	337	5.7	95	153	448.00	580	99	1.7
Dec 2004	489	12	326	5.3	41	153	447.00	561	119	1.9
Jan 2005	568	12	357	5.8	59	186	445.80	539	130	2.1
Feb 2005	669	0	467	8.4	33	168	445.80	539	155	2.8
Mar 2005	942	-8	669	10.9	62	187	446.70	555	200	3.3
Apr 2005	1083	-8	796	13.4	60	181	448.71	594	193	3.2
May 2005	1000	0	740	12.0	62	180	449.60	611	109	1.8
Jun 2005	893	-13	733	12.3	30	116	449.60	611	111	1.9
Jul 2005	854	-7	763	12.4	31	83	448.00	580	121	2.0
Aug 2005	769	-2	665	10.8	31	80	447.50	570	100	1.6
Sep 2005	667	-6	559	9.4	30	84	446.81	557	90	1.5
WY 2005	8949	5	6832		574	1574			1501	
Oct 2005	613	-4	484	7.9	31	103	446.29	548	72	1.2
Nov 2005	530	3	375	6.3	41	123	446.00	543	99	1.7
Dec 2005	463	12	320	5.2	42	117	445.80	539	119	1.9
Jan 2006	589	12	356	5.8	59	186	445.80	539	130	2.1
Feb 2006	671	0	466	8.4	33	168	446.00	543	155	2.8
Mar 2006	936	-8	667	10.8	62	186	446.70	555	200	3.3
Apr 2006	1079	-8	793	13.3	60	180	448.71	594	193	3.2
May 2006	1002	0	737	12.0	62	185	449.60	611	109	1.8
Jun 2006	899	-13	730	12.3	30	125	449.60	611	111	1.9
Jul 2006	856	-7	760	12.4	31	88	448.00	580	121	2.0
Aug 2006	776	-2	662	10.8	31	90	447.50	570	100	1.6
Sep 2006	667	-6	556	9.3	30	87	446.81	557	90	1.5
WY 2006	9081	-21	6906		512	1638			1499	
Oct 2006	508	-4	482	7.8	31	0	446.31	548	76	1.2

## O P E R A T I O N P L A N F O R C O L O R A D O R I V E R S Y S T E M R E S E R V O I R S

Bureau of Reclamation - CRFS 11/2004 Most Prob Water Supply  
Hoover Dam - Lake Mead

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	Power Release 1000 Ac-Ft	Power Release 1000 CFS	EOM Reservoir Elevation Feet	EOM Storage 1000 Ac-Ft	Change_In Storage 1000 Ac-Ft	Hoover Static Head Feet	Hoover Generator Capacity MW	Hoover Gross Energy MKWH	Percent Of Units Available	KWH/AF
* Nov 2003	637	10.7	1139.48	15337	-178	0.00	1233.0	272.5	67	427.7
H Dec 2003	623	10.1	1139.12	15300	-38	0.00	1141.0	266.0	62	426.8
I Jan 2004	633	10.3	1140.39	15434	134	0.00	1141.0	270.3	62	426.9
S Feb 2004	806	14.0	1140.11	15404	-29	0.00	1251.0	349.0	68	433.3
T Mar 2004	946	15.4	1138.70	15255	-149	0.00	1270.0	391.6	69	414.1
O Apr 2004	1049	17.6	1134.98	14866	-389	0.00	1194.0	450.9	69	429.9
R May 2004	1124	18.3	1129.70	14324	-542	0.00	1767.0	474.0	100	421.6
I Jun 2004	995	16.7	1126.93	14044	-280	0.00	1731.0	410.2	100	412.2
C Jul 2004	952	15.5	1125.73	13924	-120	0.00	1731.0	388.3	100	407.6
A Aug 2004	763	12.4	1126.67	14018	94	0.00	1731.0	305.8	100	400.6
L Sep 2004	568	9.5	1125.86	13937	-81	0.00	1731.0	221.5	100	390.1
WY 2004	9635							4025.4		
* Oct 2004	365	5.9	1127.43	14094	157	0.00	1298.0	134.7	75	369.3
Nov 2004	497	8.3	1126.94	14045	-49	481.75	1194.4	212.0	69	426.7
Dec 2004	670	10.9	1125.19	13870	-175	479.20	1315.6	282.4	76	421.2
Jan 2005	648	10.5	1127.25	14076	206	476.60	1315.6	270.4	76	417.1
Feb 2005	720	13.0	1126.81	14031	-44	476.26	1315.6	309.7	76	429.8
Mar 2005	974	15.8	1123.31	13683	-348	473.46	1384.8	418.4	80	429.7
Apr 2005	1116	18.8	1117.80	13147	-537	468.20	1506.0	476.9	87	427.1
May 2005	1030	16.8	1113.56	12741	-405	461.92	1731.0	423.8	100	411.5
Jun 2005	894	15.0	1111.90	12584	-157	459.32	1731.0	367.1	100	410.7
Jul 2005	871	14.2	1111.73	12568	-16	458.90	1731.0	362.7	100	416.2
Aug 2005	800	13.0	1112.68	12658	90	459.45	1731.0	330.1	100	412.5
Sep 2005	590	9.9	1114.84	12863	206	462.15	1731.0	239.8	100	406.1
WY 2005	9177							3827.8		
Oct 2005	427	6.9	1116.21	12994	131	466.80	1609.8	171.9	93	402.6
Nov 2005	633	10.6	1115.60	12935	-59	471.72	1280.9	262.4	74	414.7
Dec 2005	612	10.0	1117.35	13103	168	469.93	1280.9	254.7	74	415.9
Jan 2006	690	11.2	1118.60	13224	121	468.87	1280.9	287.1	74	416.1
Feb 2006	689	12.4	1117.97	13163	-61	468.17	1280.9	290.7	74	421.7
Mar 2006	989	16.1	1114.21	12802	-361	465.72	1280.9	415.2	74	420.0
Apr 2006	1124	18.9	1108.44	12261	-542	459.15	1506.0	472.0	87	420.0
May 2006	1032	16.8	1103.52	11808	-452	452.29	1731.0	416.6	100	403.8
Jun 2006	900	15.1	1100.18	11507	-301	448.52	1731.0	362.0	100	402.3
Jul 2006	873	14.2	1099.39	11436	-71	446.96	1731.0	354.9	100	406.5
Aug 2006	807	13.1	1100.26	11514	78	447.16	1731.0	325.3	100	403.1
Sep 2006	591	9.9	1100.81	11563	49	449.00	1731.0	234.2	100	396.4
WY 2006	9367							3847.1		
Oct 2006	322	5.2	1103.37	11795	232	453.43	1609.8	120.7	93	374.9

## O P E R A T I O N   P L A N   F O R   C O L O R A D O   R I V E R   S Y S T E M   R E S E R V O I R S

Bureau of Reclamation - CRFS 11/2004 Most Prob Water Supply  
Davis Dam - Lake Mohave

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	Power Release 1000 Ac-Ft	Power Release 1000 CFS	EOM Reservoir Elevation Feet	EOM Storage 1000 Ac-Ft	Change_In Storage 1000 Ac-Ft	Davis Static Head Feet	Davis Generator Capacity MW	Davis Gross Energy MKWH	Percent Of Units Available	KWH/AF
* Nov 2003	568	9.5	636.53	1526	58	0.00	196.0	67.9	77	119.5
H Dec 2003	540	8.8	638.98	1590	65	0.00	173.0	65.3	68	120.9
I Jan 2004	580	9.4	640.22	1623	33	0.00	163.0	72.2	64	124.6
S Feb 2004	695	12.1	643.62	1716	92	0.00	189.0	86.8	74	124.8
T Mar 2004	958	15.6	642.21	1677	-38	0.00	209.0	121.6	82	126.9
O Apr 2004	1033	17.4	642.33	1680	3	0.00	255.0	128.5	100	124.4
R May 2004	1032	16.8	644.09	1729	48	0.00	255.0	130.0	100	126.0
I Jun 2004	1003	16.8	642.91	1696	-32	0.00	255.0	119.7	100	119.4
C Jul 2004	918	14.9	643.29	1707	10	0.00	255.0	114.1	100	124.3
A Aug 2004	740	12.0	643.20	1704	-2	0.00	255.0	92.3	100	124.7
L Sep 2004	653	11.0	639.54	1605	-99	0.00	255.0	81.2	100	124.2
WY 2004	9425							1164.1		
* Oct 2004	464	7.5	635.90	1509	-96	0.00	204.0	56.7	80	122.3
Nov 2004	551	9.3	633.39	1444	-65	128.99	196.3	66.0	77	119.7
Dec 2004	489	7.9	639.51	1604	160	131.63	173.4	59.6	68	121.9
Jan 2005	568	9.2	641.80	1666	62	136.36	163.2	71.1	64	125.1
Feb 2005	669	12.1	643.01	1699	33	137.30	188.7	84.1	74	125.7
Mar 2005	942	15.3	643.01	1699	0	137.29	209.1	118.0	82	125.2
Apr 2005	1083	18.2	643.01	1699	0	136.05	255.0	134.6	100	124.3
May 2005	1000	16.3	643.01	1699	0	136.05	255.0	125.0	100	124.9
Jun 2005	893	15.0	642.00	1671	-28	135.52	255.0	111.5	100	124.8
Jul 2005	854	13.9	641.50	1658	-14	134.73	255.0	106.3	100	124.5
Aug 2005	769	12.5	641.50	1658	0	134.46	255.0	96.0	100	124.7
Sep 2005	667	11.2	638.00	1564	-94	132.63	255.0	82.4	100	123.6
WY 2005	8950							1111.3		
Oct 2005	613	10.0	630.49	1371	-193	128.32	204.0	73.1	80	119.1
Nov 2005	530	8.9	634.00	1460	89	126.46	196.3	62.4	77	117.7
Dec 2005	463	7.5	638.71	1583	123	131.54	173.4	56.5	68	122.0
Jan 2006	589	9.6	641.80	1666	83	135.97	163.2	73.4	64	124.7
Feb 2006	671	12.1	641.80	1666	0	136.69	188.7	84.0	74	125.1
Mar 2006	936	15.2	642.60	1688	22	136.48	209.1	116.5	82	124.5
Apr 2006	1079	18.1	643.01	1699	11	135.84	255.0	134.0	100	124.2
May 2006	1002	16.3	643.01	1699	0	136.05	255.0	125.2	100	124.9
Jun 2006	899	15.1	642.00	1671	-28	135.52	255.0	112.2	100	124.8
Jul 2006	856	13.9	641.50	1658	-14	134.73	255.0	106.5	100	124.5
Aug 2006	776	12.6	641.50	1658	0	134.46	255.0	96.8	100	124.7
Sep 2006	667	11.2	638.00	1564	-94	132.63	255.0	82.5	100	123.6
WY 2006	9082							1123.0		
Oct 2006	508	8.3	630.49	1371	-193	128.32	204.0	60.9	80	119.8

## O P E R A T I O N   P L A N   F O R   C O L O R A D O   R I V E R   S Y S T E M   R E S E R V O I R S

Bureau of Reclamation - CRFS 11/2004 Most Prob Water Supply  
Parker Dam - Lake Havasu

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	Power Release 1000 Ac-Ft	Power Release 1000 CFS	EOM Reservoir Elevation Feet	EOM Storage 1000 Ac-Ft	Change_In Storage 1000 Ac-Ft	Parker Static Head Feet	Parker Generator Capacity MW	Parker Gross Energy MKWH	Percent Of Units Available	KWH/AF
* Nov 2003	336	5.7	446.96	560	-5	0.00	94.0	22.9	78	68.0
H Dec 2003	347	5.6	444.52	516	-44	0.00	103.0	23.1	86	66.5
I Jan 2004	333	5.4	444.21	511	-6	0.00	120.0	21.6	100	64.9
S Feb 2004	418	7.3	446.75	557	46	0.00	120.0	28.0	100	66.9
T Mar 2004	724	11.8	445.64	536	-20	0.00	120.0	48.7	100	67.3
O Apr 2004	751	12.6	446.84	558	3	0.00	120.0	50.2	100	66.9
R May 2004	734	11.9	448.14	583	24	0.00	120.0	50.3	100	68.5
I Jun 2004	739	12.4	448.39	587	5	0.00	120.0	49.5	100	67.0
C Jul 2004	731	11.9	448.77	595	7	0.00	120.0	49.4	100	67.6
A Aug 2004	654	10.6	447.70	574	-20	0.00	120.0	44.3	100	67.7
L Sep 2004	525	8.8	448.47	589	15	0.00	120.0	35.7	100	68.0
WY 2004	6802							458.3		
* Oct 2004	420	6.8	449.60	611	22	0.00	90.0	28.8	75	68.6
Nov 2004	337	5.7	448.00	580	-31	77.56	90.0	22.2	75	65.7
Dec 2004	326	5.3	447.00	561	-19	76.29	90.0	21.0	75	64.6
Jan 2005	357	5.8	445.80	539	-22	75.22	90.0	23.0	75	64.3
Feb 2005	467	8.4	445.80	539	0	74.64	90.0	30.4	75	65.0
Mar 2005	669	10.9	446.70	555	16	75.08	90.0	44.1	75	66.0
Apr 2005	796	13.4	448.71	594	38	75.09	120.0	52.5	100	66.0
May 2005	740	12.0	449.60	611	18	76.49	120.0	49.5	100	66.9
Jun 2005	733	12.3	449.60	611	0	76.93	120.0	49.3	100	67.3
Jul 2005	763	12.4	448.00	580	-31	76.15	120.0	50.9	100	66.7
Aug 2005	665	10.8	447.50	570	-10	75.13	120.0	43.7	100	65.7
Sep 2005	559	9.4	446.81	557	-13	74.86	112.8	36.4	94	65.2
WY 2005	6832							451.9		
Oct 2005	484	7.9	446.29	548	-9	75.24	92.4	31.6	77	65.3
Nov 2005	375	6.3	446.00	543	-5	74.79	93.6	24.1	78	64.2
Dec 2005	320	5.2	445.80	539	-4	74.07	103.2	20.2	86	63.0
Jan 2006	356	5.8	445.80	539	0	74.64	90.0	22.7	75	63.9
Feb 2006	466	8.4	446.00	543	4	74.74	90.0	30.3	75	65.1
Mar 2006	667	10.8	446.70	555	13	75.17	90.0	44.0	75	66.0
Apr 2006	793	13.3	448.71	594	38	75.09	120.0	52.3	100	66.0
May 2006	737	12.0	449.60	611	18	76.49	120.0	49.3	100	66.9
Jun 2006	730	12.3	449.60	611	0	76.93	120.0	49.1	100	67.3
Jul 2006	760	12.4	448.00	580	-31	76.15	120.0	50.7	100	66.7
Aug 2006	662	10.8	447.50	570	-10	75.13	120.0	43.5	100	65.7
Sep 2006	556	9.3	446.81	557	-13	74.86	112.8	36.3	94	65.2
WY 2006	6905							454.1		
Oct 2006	482	7.8	446.31	548	-9	75.25	92.4	31.5	77	65.3

## O P E R A T I O N   P L A N   F O R   C O L O R A D O   R I V E R   S Y S T Y M   R E S E R V O I R S

Bureau of Reclamation - CRFS 11/2004 Most Prob Water Supply  
Upper Basin Power

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	Glen Canyon	Flam Gorge	Blue Mesa	Morrow Point	Crystal Res	Font Res
	1000 MWHR	1000 MWHR	1000 MWHR	1000 MWHR	1000 MWHR	1000 MWHR
* Nov 2003	198	17	4	6	0	3
H Dec 2003	251	22	4	5	1	3
I Jan 2004	325	17	4	6	0	3
S Feb 2004	304	16	5	5	0	3
T Mar 2004	312	18	3	6	0	3
Winter 2004	1609	106	28	37	4	17
O Apr 2004	263	17	8	14	4	7
R May 2004	239	37	9	16	0	4
I Jun 2004	324	20	16	22	0	5
C Jul 2004	360	20	28	34	0	8
A Aug 2004	354	21	28	33	0	7
L Sep 2004	188	20	24	31	0	2
Summer 2004	1729	135	112	150	4	33
* Oct 2004	191	16	16	19	7	4
Nov 2004	175	17	4	6	4	5
Dec 2004	180	17	5	6	4	6
Jan 2005	309	17	5	6	4	5
Feb 2005	233	16	4	6	4	4
Mar 2005	213	18	8	11	7	5
Winter 2005	1302	102	41	55	31	29
Apr 2005	213	17	17	24	15	6
May 2005	233	44	12	23	20	7
Jun 2005	296	64	13	22	21	8
Jul 2005	343	25	29	35	22	10
Aug 2005	342	25	32	38	22	7
Sep 2005	298	24	31	36	21	6
Summer 2005	1724	198	134	178	121	43
Oct 2005	222	25	23	28	16	6
Nov 2005	221	24	14	18	10	6
Dec 2005	293	25	23	29	16	6
Jan 2006	290	25	23	29	16	6
Feb 2006	216	22	21	27	15	5
Mar 2006	215	39	21	28	16	5
Winter 2006	1458	159	126	159	90	33
Apr 2006	216	39	23	34	21	5
May 2006	220	59	12	25	22	6
Jun 2006	246	74	11	20	21	8
Jul 2006	330	22	27	34	22	10
Aug 2006	349	23	32	37	22	7
Sep 2006	243	27	31	37	21	6
Summer 2006	1604	244	136	186	129	41
Oct 2006	231	25	23	28	16	6

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												F L O O D		C O N T R O L		C R I T E R I A					
												B E G I N N I N G		O F M O N T H		C O N D I T I O N S					
MEAD												UPPER					TOT OR				
FC	FLAMING	BLUE		LAKE	BASIN	LAKE			FLAMING	BLUE					MAX	LAKE	LAKE			BOM	MEAD
MON	SYS	GORGE	MESA	NAVAJO	POWELL	TOTAL	MEAD	TOTAL	GORGE	MESA	NAVAJO	ALLOW	POWELL	MEAD	TOTAL		SPACE	SCHED			
REL	YEAR	CONT	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	TOTAL	REQD	REL				
KAF	MAF														KAF	KAF	KAF				
<hr/>																					
NOV 2004 0 29.8	1116	* * * * P R E D I C T E D	746 15172	17384	S P A C E	* * * * 30670	1116	349	746 2212	C R E D I T A B L E	15172 13286	S P A C E	* * * * 30670	3810	* * * * 497						
DEC 2004 0 29.6	1112	341	743	15243	17439	13335	30774	1112	341	743	2196	15243	13335	30774	4580	670					
JAN 2005 0 29.3	1124	338	742	15394	17598	13510	31108	1124	338	742	2204	15394	13510	31108	5350	648					
JAN 2005 0 29.3	1124	338	742	15394	17598	13510	31108	554	338	363	* * * * E F F E C T I V E	15394	13510	S P A C E	* * * * 30159	5350	648				
FEB 2005 0 29.0	1141	336	744	15887	18107	13304	31411	568	336	364	1265	15887	13304	30459	1500	720					
MAR 2005 0 28.6	1149	332	736	16198	18416	13349	31765	573	332	356	1262	16198	13349	30808	1500	974					
APR 2005 0 28.2	1119	331	687	16358	18495	13697	32192	536	331	302	1169	16358	13697	31224	1500	1116					
MAY 2005 0 28.9	1050	331	608	16347	18336	14233	32569	458	331	198	986	16347	14233	31566	1500	1030					
JUN 2005 0 30.2	944	211	514	15600	17269	14639	31907	339	207	71	617	15600	14639	30855	1500	894					
JUL 2005 0 30.5	760	41	526	14466	15793	14796	30589	139	16	36	191	14466	14796	29453	1500	871					
AUG 2005 0 30.1	639	27	541	14310	15517	14812	30329	639	27	541	* * * * C R E D I T A B L E	14310 14812	S P A C E	* * * * 30329	1500	800					
SEP 2005 0 29.8	633	69	576	14651	15929	14722	30652	633	69	576	1278	14651	14722	30652	2270	590					
OCT 2005 0 29.6	656	130	573	14980	16339	14517	30856	656	130	573	1359	14980	14517	30856	3040	427					
NOV 2005 0 29.5	672	171	569	15056	16468	14386	30854	672	171	569	1412	15056	14386	30854	3810	633					
DEC 2005 0 29.4	690	191	561	15159	16601	14445	31046	690	191	561	1442	15159	14445	31046	4580	612					
JAN 2006 0 29.1	725	248	557	15478	17008	14277	31285	725	248	557	1530	15478	14277	31285	5350	690					
JAN 2006 0 29.1	725	248	557	15478	17008	14277	31285	484	247	365	* * * * E F F E C T I V E	15478 14277	S P A C E	* * * * 30851	5350	690					
FEB 2006 0 28.9	754	306	555	15822	17438	14156	31594	511	304	362	1096	15822	14156	31155	1500	689					
MAR 2006 0 28.5	774	358	547	15988	17667	14217	31884	527	355	354	1236	15988	14217	31441	1500	989					
APR 2006 0 28.2	790	401	493	16007	17691	14578	32268	538	399	294	1231	16007	14578	31815	1500	1124					
MAY 2006 0 29.1	764	412	420	15852	17448	15119	32567	504	412	196	1111	15852	15119	32083	1500	1032					

JUN 2006 0 30.7	666	266	336	14852	16120	15572	31692	393	262	78	733	14852	15572	31157	1500	900
JUL 2006 0 31.1	463	60	356	13343	14223	15873	30096	172	34	52	258	13343	15873	29474	1500	873
AUG 2006 0 30.8	311	27	356	13051	13746	15944	29689	311	27	356	* * * * C R E D I T A B L E	13051	15944	29689	1500	807
SEP 2006 0 30.5	289	60	369	13376	14093	15866	29958	289	60	369	717	13376	15866	29958	2270	591
OCT 2006 0 30.5	313	119	364	13510	14306	15817	30123	313	119	364	796	13510	15817	30123	3040	322